Datasheet for ABIN7555772

TEAD1 Protein (AA 1-426) (His tag)

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Overview

Quantity:	1 mg
Target:	TEAD1
Protein Characteristics:	AA 1-426
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TEAD1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TEAD1 Protein expressed in mammalian cells.
Sequence:	MEPSSWSGSE SPAENMERMS DSADKPIDND AEGVWSPDIE QSFQEALAIY PPCGRRKIIL SDEGKMYGRN ELIARYIKLR TGKTRTRKQV SSHIQVLARR KSRDFHSKLK DQTAKDKALQ HMAAMSSAQI VSATAIHNKL GLPGIPRPTF PGAPGFWPGM IQTGQPGSSQ DVKPFVQQAY PIQPAVTAPI PGFEPASAPA PSVPAWQGRS IGTTKLRLVE FSAFLEQQRD PDSYNKHLFV HIGHANHSYS DPLLESVDIR QIYDKFPEKK GGLKELFGKG PQNAFFLVKF WADLNCNIQD DAGAFYGVTS QYESSENMTV TCSTKVCSFG KQVVEKVETE YARFENGRFV YRINRSPMCE YMINFIHKLK HLPEKYMMNS VLENFTILLV VTNRDTQETL LCMACVFEVS NSEHGAQHHI YRLVKD **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TEAD1
Alternative Name:	TEAD1 (TEAD1 Products)
Background:	Transcriptional enhancer factor TEF-1 (NTEF-1) (Protein GT-IIC) (TEA domain family member 1) (TEAD-1) (Transcription factor 13) (TCF-13),FUNCTION: Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Acts by mediating gene expression of YAP1 and WWTR1/TAZ, thereby regulating cell proliferation, migration and epithelial mesenchymal transition (EMT) induction. Binds specifically and cooperatively to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription in vivo in a cell-specific manner. The activation function appears to be mediated by a limiting cell-specific transcriptional intermediary factor (TIF). Involved in cardiac development. Binds to the M-CAT motif. {ECO:0000269|PubMed:18579750, ECO:0000269|PubMed:19324877}.

Target Details

Molecular Weight:	47.9 kDa
UniProt:	P28347
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

